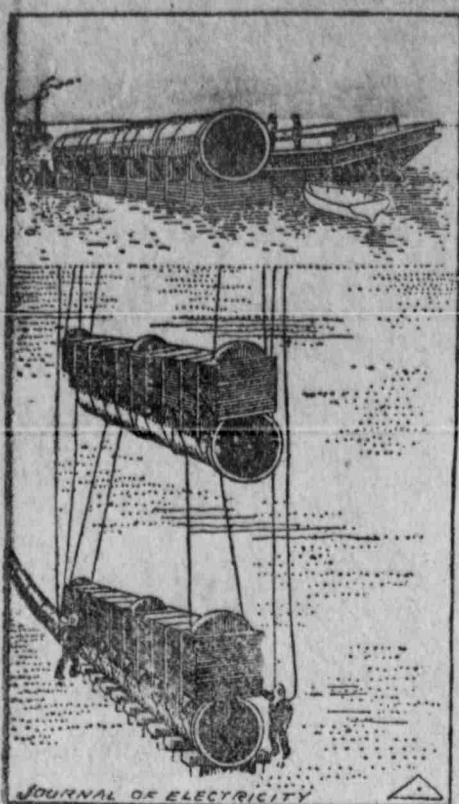


PIPE LAYING DEVICE.

Caisson For Lowering Tubes into Position Under Water.

Various methods have been adopted for handling and lowering lengths of pipe into position under water, but this patent caisson affords many advantages. The illustration shows a section of sixty inch cast iron pipe being lowered.

The caisson is six feet square by fifty-two feet long, divided into nine compartments, which can be separate-



CAISSON IN OPERATION

ly flooded. When empty the caisson supports twenty-four tons, but when filled with water it will sink with such a load. The section of pipe is made fast to the cradled top of the caisson, which turns when released from the barge and fills with water. When the bottom is reached the divers adjust the section to line and grade, calk the joints and then cut the caisson loose. It is then hauled up and pumped out in readiness for another trip.

SNOW AS A FERTILIZER.

Experiments Show That Its Value Has Been Overestimated.

From experiments conducted at Ottawa, in Canada, it appears that there are some slight grounds for the widely accepted opinion among agriculturists that snow is a direct fertilizer, says the Pharmaceutical Journal. It is found to contain total nitrogen equivalent in round numbers to about a pound per acre of land covered by an average winter snowfall in that district. The amount of nitrogen as free ammonia was high, but fluctuated greatly from .082 to .589 parts per million. The nitrogen as albuminoid ammonia ranged from .033 to .078 parts per million, and the nitrogen as nitrates and nitrites ranged from .027 to .330 parts per million.

The average of twelve determinations from Feb. 21, 1907, to May 4 was: Nitrogen as free ammonia .256, as albuminoid ammonia .052 and as nitrates and nitrites .163 parts per million. The value of snow as a direct fertilizer would appear, so far as the nitrogen content is concerned, to be greatly overestimated. It is intended to continue the experiments both in summer and winter to determine definitely the manurial value of both snow and rain.

Value of Ferns.

On many farms in this country there are areas, more or less extensive, covered with ferns. This plant has not been regarded as of value except for decorative purposes, but, says Leslie's Weekly, it has a practical value of which few people in the United States are aware. An American consul reports that in parts of England fern leaves have long been employed in packing fruit, fresh butter, etc., for market. Formerly grape leaves were used for this purpose, but the fern leaf is said to be far superior to that of the vine for keeping articles wrapped in it fresh and wholesome. The fishermen of the Isle of Man pack their fresh herrings in ferns, which keep the fish fresh until it reaches the market. Potatoes packed in ferns keep many months longer than those packed in straw. Fresh meat also is preserved for a protracted period when swathed in fern leaves. It is said that the preservative quality of the fern is due to the large quantities of salt in its composition. The strong odor of the fern also repels larvae, maggots, etc.

Factors in Long Life.

The theory of Metchnikoff that old age results from poisoning by bacteria in the colon and may be avoided by certain rules of diet is not supported by the studies of Professor H. Ribbert, director of the Pathological Institute at Bonn. Death from old age is due to anatomical changes, atrophy of the nerve cells, and these changes are an inevitable result of the physico-chemical course of living matter. No proof of special effect of diet is obtainable. The most careful inquiry shows the meat eater as likely to become a centenarian as the vegetarian, and the use of tobacco or alcohol signifies little. The chief factors in long life appear to be descent from long lived stock and the accident of favorable living conditions.

Novel Tool Tempering.

In the novel tool tempering apparatus of W. Rosenbain, as exhibited at a meeting of the London Royal Society, the metal is heated in a vacuum tube, and at the required temperature, shown by a thermo-electric indicator, is quenched by admitting water. The new silica tubes admit of sudden cooling from redness or greater heat.

A MEMORY OF THE PAST.

The Unalloyed Joy That Came With the Little Red Scarf.

"I was wondering the other day what one thing had given me the most pleasure in the world," said the village deacon, "I had to go back a long ways—clear back into the blessed Santa Claus days—but I recalled it. It was a scarf I found in my stocking one bright Christmas morning. I got a red one, and my brother got a blue one. I was a mighty proud boy that morning as I trudged downtown with that red scarf around my neck. I wore it every day until the birds began to sing in the springtime and the kids were hunting up their marbles. I don't now remember who gave it to me nor what became of it, but I do know that the memory of it still clings like a benediction.

"Since the days of that little red scarf I have had things of far more intrinsic value. I have worn lodge emblems of high degree; I have had a gold watch and chain; I once had a pair of shoes that cost \$5 and a necktie that cost twice as much as the little red scarf. Nay, more, I once tackled a plug hat. But among these things do I recall none that gave me such genuine and unalloyed pleasure, such a swelled up feeling, as did that little red scarf way back in the days when the wolf sat out in the road and howled. 'Tis the little red scarf days that stir the memory with 'It might have been.'—Osborn (Kan.) Farmer.

PLAIN JOHN SMITH.

How His Name Changes in Various Parts of the World.

John Smith—plain John Smith—is not very high sounding; it does not suggest aristocracy; it is not the name of any hero in die away novels, and yet it is good, strong and honest. Transferred to other languages, it seems to climb the ladder of respectability. Thus in Latin it is Johannes Smithus; the Italian smooths it off into Giovanni Smith; the Spaniards render it Juan Smithus; the Dutchman adopts it as Hans Schmidt; the French flatten it out into Jean Smeets, and the Russian sneezes and barks Jonoff Smitowski. When John Smith gets into the tea trade in Canton he becomes Jovan Shimmitt; if he clambers about Mount Hecla, the Icelanders say he is Jahne Smithson; if he trades among the Tuscaroras he becomes Ton Qa Smittla; in Poland he is known as Ivan Schmittiwski; should he wander among the Welsh mountains they talk of Jihon Schmidt; when he goes to Mexico he is booked as Jontli F'Smitti; if of classic turn and he lingers among Greek ruins he turns to Ion Smikton, and in Turkey he is utterly disguised as Yoe Seef.—Phrenological Journal.

Mystery of a Cookbook.

Somebody mentioned cookbooks. "It takes a good deal to make me wonder," said the publisher, "but I received a jolt in the culinary line the other day that set me thinking. In looking over the manuscript of a cookbook that had been submitted for our approval I was struck by this introduction to many of the recipes, 'Good for boarding house table.' 'Now, why that discrimination? Isn't anything that is good enough for a boarding house table good enough for any other table, and isn't anything that is good enough for any other table good enough for a boarding house table? Judging by the way those particular recipes read, they may result in some rather tasty dishes. Then why limit them to boarding houses?'—New York Globe.

His Successor.

Shortly after the death of one of England's greatest poets a devoted admirer of his visited the little Westmorland villages where the poet had lived and died to gaze reverently at his house, the little church and at some of his favorite haunts where some of his immortal poems were composed.

Seeing an old man a native of the village, the stranger entered into conversation with him, remarking sadly on the death of the poet, to which the old man answered kindly and encouragingly:

"Aye, aye, still I mak' na doobut but ' wife 'll carry the bizness on."

Brief and Pithy.

An American law journal has quoted the charge to a jury delivered by a certain Judge Donovan as the shortest on record. The judge said:

"Gentlemen of the jury, if you believe the plaintiff find a verdict for plaintiff and fix the amount. If you believe the defendant find a verdict for defendant. Follow the officer."

But an English periodical caps this brief charge by quoting a shorter one delivered by Commissioner Kerr. He said to a jury:

"That man says prisoner robbed him. The prisoner says he didn't. You settle it."

Plagiarism.

At the literary club a sympathetic crowd surrounded the humorist, whose house had been robbed.

"They cleaned out everything," said the man—"everything, but, thank goodness, they didn't swipe from my desk the manuscript column of jokes for next week's paper."

"Perhaps they knew," suggested a sonneteer cynically, "that the jokes had already been swiped."—New Orleans Times-Democrat.

Liberality.

Little Jimmie, who had just received a box of mixed candy, passed it around to treat the family, saying: "Help yourself to all the chocolates you want. I don't like them."—Exchange.



How Nature Provides.

OUR BEAUTY, HEALTH AND HAPPINESS.

Is it not possible if not probable that elements necessary for the body-health are contained in the native medicinal roots found in the earth, digested in the plant laboratory of nature and made ready for man or animal?

The medicinal virtues of many American plants and roots were known to the early Indians. Thus a root known to modern physicians as Caulophyllum or Blue Cohosh was known to the Indians as "Squaw root." Another, known to the Indians as "Rattleweed root," is used in modern medicine as "Cimicifuga."

Prof. King's American Dispensatory, an authority in these matters, says: "Our Indians set a high value on Rattleweed root (Black Cohosh) in diseases of women. It is surpassed by no other drug in congestive conditions of the parts where there are dragging pains and tenderness."

After many years of study and experiment Dr. Pierce, the medical director of the Invalids' Hotel and Surgical Institute, at Buffalo, N. Y., put up a prescription of his own, containing the non-alcoholic, glyceric extracts of the two above mentioned ingredients, together with Golden Seal root, Lady's Slipper root and Uterine root. Thus, there is no mystery in the make-up of this famous "Prescription." The use of alcohol is

entirely avoided in its manufacture, chemically pure glycerine being found to serve the purpose of extracting and preserving the medicinal properties even better than alcohol.

Learn the Truth. The one medicine for the cure of woman's peculiar weaknesses and ailments, the ingredients of which are printed on the wrapper of every bottle leaving the great Laboratory in Buffalo, N. Y., where it is made, is called DR. PIERCE'S FAVORITE PRESCRIPTION.

It Stands Alone not only in respect to its ingredients, but also as the only specific advertised remedy for woman's diseases which absolutely CONTAINS NO ALCOHOL.

It Stands Alone as the one medicine for women, the makers of which take their patients fully into their confidence and tell them exactly what they are taking. This Dr. Pierce can afford to do, because his "FAVORITE PRESCRIPTION" is made of such ingredients and after a working formula that has thousands of cures to its credit placing its merits above criticism.

It Stands Alone as Nature's cure for the diseases peculiar to women because the earth supplies the vegetable ingredients.

Mrs. Mary J. Beard (Trained Nurse, Washington Hospital), of 1705 9th Street N. W., Washington, D. C., writes:

"I felt badly for four years, had terrible pains at times and was often unable to be about attending to my duties; appetite was poor and sleep fitful. Tried to cure myself in various ways without success, but finally my attention was called to Doctor Pierce's Favorite Prescription and decided to try it. Am certainly glad that I did for I began to improve with the first bottle, and gradually became better until I was entirely cured of the old trouble. Am well and can enjoy life once more."

Dr. Pierce's Good temper is largely a matter of good health, and good health is largely a matter of healthy activity of the bowels. Dr. Pierce's Pleasant Pellets cure constipation. They are safe, sure and speedy, and once taken do not have to be taken always. One little "Pellet" is a gentle laxative, and two a mild cathartic. They never gripe. By all druggists.

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TIME TABLE

EFFECTIVE OCT. 17, 1908.

EAST BOUND.

No. 12 Clarksville and Nash-
ville Mail leaves.....6:30 a. m.
No. 14 Clarksville and Nash-
ville Mail leaves.....4:00 p. m.

WEST BOUND.

No. 11 Clarksville and Hop-
kinsville mail arrives...11:20 a. m.
No. 13 Clarksville and Hop-
kinsville mail arrives... 8:15 p. m.
G. R. NEWMAN, Agt.

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